

1,430 Employees Vote In Election Selecting AFL

Only 63 Eligibles Fail To Cast Ballots; Turnout Is Praised By Lavers

In an efficiently handled and cleanly conducted election in Y-12 last Tuesday, Wednesday and Thursday, a majority of eligible production, maintenance and service employees in the Y-12 area selected the American Federation of Labor to be its bargaining agent with the Company.

The election was conducted by a staff of National Labor Relations Board employees under direction of George C. Slyer, field examiner of the agency.

In a statement last Friday, Y-12 Area Superintendent W. D. Lavers said:

"The fact that 1,430 employees of a total of 1,493 eligible to vote went to the polls and made known their choice in the National Labor Relations Board election is gratifying to me. I wish to congratulate the Atomic Trades and Labor Council for a contest which was exceptionally clean throughout. I also want to assure our employees, whether they voted for either union or for neither, that the Company will, as always, have their interests at heart. Relations between Carbide and the successful union have always been good, and we expect the same to be true in the future."

Results of the election follow:

AFL	785
Neither	576
CIO	69
Challenged	4
Void	2

A total of 716 votes was required for the necessary majority to win the election.

GERMAN ISSUES WARNING

Former German Gen. Heinz Guderian discounts effectiveness of the atomic bomb in an area as vast as Russia, according to International News Service, and warns the United States not to underestimate the Soviets.



Dr. Robert S. Livingston

Dr. Livingston Cited By ORINS In News Letter

One of the real pioneers in development of the Y-12 Plant, Dr. Robert S. Livingston, is cited this month by the monthly publication of the Oak Ridge Institute of Nuclear Scientists in its "Introducing Oak Ridge Scientists," a regular feature of the News Letter. Dr. Livingston is the 17th Oak Ridge scientist to be so introduced by the publication.

Dr. C. P. Keim, director of the Y-12 Stable Isotope Research and Production Division, was the subject of the feature in May, 1950. The News Letter's article on Dr. Livingston follows:

When Robert S. Livingston entered Pomona College on a one-year scholarship in 1933, his interest was in electrical engineering. The professor of his physics class was Dr. Roland R. Thelton, known as one of the country's outstanding undergraduate physics teachers. (Former students of Dr. Thelton include Dr. Norris Bradbury, director of the Los Alamos Scientific Laboratory, and Dr. M. Stanley Livingston, professor of physics at the Massachusetts Institute of Technology and former head of

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Y-12 Cooperation Urged To Speed New Badge Check

AEC To Make Closer Check Of Credentials At Controlled Gates

The cooperation of all Y-12ers in carrying out the announced changes in the Atomic Energy Commission's security program stressing a closer check of badges at controlled area gates has been urged by Carbide authorities. Such cooperation will not only aid the administration of the security program of the AEC but expedite travel by Y-12ers in and out of the controlled area.

One Phase Of Program

B. W. Menke, chief of the Security Division, AEC Oak Ridge Operations, has termed the new system of positive badge identification "only one phase of a continuous AEC-wide program to keep security at all installations consistent with the times." Other recent steps, he added, include a tightening of visitor control in restricted areas. The security education program has also been intensified.

Menke said automobile windshield decals which now permit entry to the controlled area during certain hours will not be honored when the new badge-checking system goes into effect.

Four Tests Are Set

A series of four tests will be conducted to perfect the best system of rapid, positive badge identification, Menke said, with the first test scheduled Thursday, February 22.

Other tests are set for February 27, March 1 and March 5. Cars will be halted at each gate and occupants' badges will be examined by patrolmen.

Beginning February 22 and continuing thereafter, Menke said, bus drivers will inspect badges as passengers step aboard. Each bus will stop at controlled area gates and discharge passengers without badges or passes. Menke appealed for the assistance of all employees in prominently displaying badges

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Y-12 Expected To Continue Fine Record Of Generosity As Red Cross Makes Appeal

Committee Is Named To Conduct Campaign In Plant Starting March 1; Chapter Is Seeking To Raise \$22,731 for Services to be Given During Year

With the opening of the fund raising campaign for 1951 by the Oak Ridge Chapter of the American Red Cross set for next Thursday, March 1, Y-12ers will be given another opportunity to show their generosity to a humanitarian agency that contributes greatly to the welfare of the community, state and nation. In all such drives in the past, Y-12 employees have not only responded generously but have led Oak Ridge industrial organizations in being "fustest with the mostest" in being first to go "over the top" and with the highest percentage of assigned quota raised. Reactions of Y-12ers this year are expected to uphold the fine records made in answering appeals made in the past.

For instance in the 1950 Red Cross campaign Y-12ers raised their assigned quota in only five days of accepting contributions throughout the plant and final results showed 136 per cent of the assigned goal being contributed.

Chapter Seeks \$22,731 For Work
The Oak Ridge Chapter of the Red Cross this year is asking the city to raise \$22,731 to finance operations of the various services in its program for the coming year. Included in the work of the chapter is home service, blood donor program, first aid and accident prevention, life saving and water safety, volunteer services, disaster preparedness and relief, Junior Red Cross, home nursing services and nutrition.

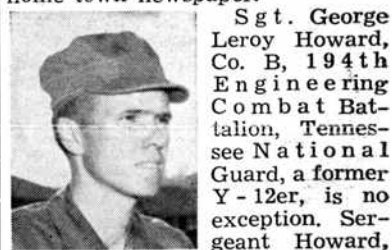
The campaign in Y-12 will be handled by a plant-wide committee, headed by Y-12 Area Superintendent W. D. Lavers as chairman. Other members are F. C. Lowry, associate chairman; Pascal Hamrick, Industrial Relations; Nelson Tibbatts, Maintenance; W. S. Herron, Chemical; Carl Roddy, Engineering; and Bruce Whitaker and W. C. Davis, Manufacturing Office.

Handled Through Supervision
As usual, the drive details will be handled through Supervision with pledge cards being distributed to every employee. To keep

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Howard, In Japan, Reads Y-12 News In The Bulletin

One of the most prized moments in the life of a soldier, sailor or marine when on overseas duty is receipt of a communication from home, including letters and the home town newspaper.



Sgt. George Leroy Howard, Co. B, 194th Engineering Combat Battalion, Tennessee National Guard, a former Y-12er, is no exception. Sergeant Howard, in an air-mail letter dated "Monday night, Feb. 12, 1951, Japan," wrote direct to The Bulletin, expressing thanks for receiving the newspaper along with his other mail in the far away Orient.

His letter follows:
Hi Folks:

Just a few lines to let you know I am still receiving my Bulletin from the plant. It really makes me feel closer to home.

I will never be able to write to tell you how much I appreciate your trouble in sending it to me. I hope that you can continue sending it since I have shipped overseas.

Wish I was able to thank you in person and see all the people in the plant, but since I am not I will just have to read about them. Thanking you again,
Yours truly,

Sgt. George L. Howard
(Ed's. Note—Every effort is being made to send The Bulletin to every Y-12er who has left to join the armed forces so that they may know of news of the plant—and it certainly is no trouble. Needless to say, Sergeant Howard's letter is greatly appreciated by The Bulletin staff—just as much as he says he appreciates receiving the paper.)
Continued on Page 2

Four More Changes In Industrial Relations Division Organization Are Announced; Hughey, James Going To Paducah; Elam Elevated; Williams Comes Here From ORNL

Four more changes in organization of the Y-12 Industrial Relations Division involving well-known Y-12ers have been announced. They involve the Fire Department and the Training and Procedures Department.

Fire Chief John W. Hughey has been transferred to the new Carbide atomic energy facility at Paducah, Ky., and will be replaced by Fire Capt. Winfred O. Elam in the post officially known as Fire Prevention and Control Department Supervisor. Roy M. James, Supervisor of the Training and Procedures Department, also has been assigned to new duties at the Paducah project and will be succeeded by Lloyd N. Williams, a former Y-12er who for some time past has been holding a similar position at the Oak Ridge National Laboratory.



J. W. Hughey



W. O. Elam

Chief Hughey came to Y-12 in July, 1943, as head of the Fire Department under the Tennessee Eastman Corporation regime, moving from Milan, Tenn., where he had been fire chief at the Milan Ordnance Depot and assistant chief at the Wolf Creek Shell Loading Plant from April, 1941, to the date of being employed in Oak Ridge. Prior to that time he

had been a lieutenant in the Memphis fire department from 1935 through 1941. He is a native of Horn Lake, DeSoto County, Miss. Elam came to Y-12 in June, 1945, after two years with the United States Marine Corps, from which he was discharged as a corporal after two years of service. Prior to entering service Elam was connected with the Tennessee Valley Authority in Knoxville and Chattanooga in the power and public safety departments. He was born in Brent, Ala.

James is a native Kentuckian, being born in McHenry, Ohio County. He graduated from Western State College, Bowling Green, where he majored in physical education. He also was a student at the Lafayette Trade Schools, Lexington, and came to Y-12 in June, 1943, from Beaver Dam, Ky. Wil-



L. Williams



R. M. James

liams became connected with Y-12 in January, 1944, and was a student at the University of Tennessee at the time. He left Y-12 in January, 1947, to take a position with Eastman Kodak Co., Rochester, N. Y., but returned to Oak Ridge a year later to be employed by ORNL as head of its Training and Procedures Department. He was born in Hayden, Ala.

SAFETY SCOREBOARD

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Through February 18

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Published Weekly By And For
Y-12 Employees Of
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CHEMICALS DIVISION
Union Carbide And Carbon
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Post Office Box P
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Elizabeth Carter, of the Plant Records Department, had her parents, Mr. and Mrs. C. J. Plummer, from Port Arthur, Tex., visiting her in Oak Ridge for a few days recently. . . . The department welcomes Geneva Marcum to the roster. . . . Bobbye Jean Kincaid, whose engagement is announced this week in The Bulletin, was honored with a miscellaneous shower given by Mrs. Carl Jessee, her future mother-in-law, February 10, in Kingsport, Tenn. She also was the guest of honor at a dinner party given by Phyllis Finneran, Helen Burkhalter and Betty Broom, fellow employees, February 13, at the Andrew Johnson Hotel dining hall, in Knoxville.

The Plant Engineering Department welcomes R. B. McDonald to its roster. . . . also best wishes to Clyde A. Johnson who has gone to Boston, Mass., to be with his mother. . . . Ruth Jones is vacationing this week in Palm Beach, Fla., and in New Orleans, La.

Jim Charles, of the Analytical Laboratory, has moved into his new home in Clinton. . . . Get-well wishes are extended to Mary Brewer and Ann Wenzler.

Leslie H. Jenkins, of the Analytical Chemical Division, had as a recent week - end guest, Miss Jeanne Lamade, of Asheville, N.C.

Evan Means, of Electrical Maintenance, that agile angler, author and actor of Y-12, has a hard time keeping up with his own jobs—so he reports. Seems as how he just found out he was elected vice president of the Tennessee Outdoor Writers' Association—10 months afterward. Now, he says, he is planning to meet the new vice president who is to be elected just two months off.

John Ramsey, of the Chemical Department, whose flair for photography is well known around Y-12 and in Oak Ridge, has volunteered for service as picture maker for an information group of Ridgers who have offered their services in connection with the city's disaster plan to keep the public informed on defense activities—if and when. . . . Get-well wishes are extended to H. W. Grubb and E. C. Cox, who are on the sick list.

W. D. Hill, of the Tools Department, is spending his week's vacation at home in Duff, Tenn.

The Planning and Estimating Department welcomes Helen Stone and E. L. Early to the roster.

The Maintenance Shops Department wishes Virginia Ogg good luck in her new job at Paducah, Ky. . . . The department welcomes Mae Guarnieri and Billie Butters to its roster.

The Stores Department extends a hearty welcome back to W. G. Vann after an extended illness.

Ozell Pass, Sammy Mattingly, Mattie Anderson and Lou Kelly, all of the Assay Laboratory, spent the week end at their homes in Virginia.

The folks in the Health Physics and Hygiene Department extend congratulations to Arthur Stewart and Frances McDougal, who were married on February 15, in Rossville, Ga.

C. A. Gregory, of the Electrical

Whoops — Charlish Dronk Again

Y-12er Blake Has Trouble Convincing Friends Of Sobriety After 'Acting'



CHARLIE BLAKE, OF THE Y-12 Materials Chemistry Division, has become the "Man of Distinction" in the Oak Ridge Community Playhouse as a result of the finesse demonstrated in depicting roles of "sots." The presence of the ham over Actor Blake's head is purely coincidental. It is just a "prop" for the play being rehearsed when the picture was made.

Several Y-12ers Attend Rites For James R. Collier Last Week

Several Y-12ers, fellow employees in the Buildings and Grounds Department, attended the funeral services Monday, February 12, for James R. Collier, 37, who was fatally injured in an accident in Y-12 Friday, February 9. The services were held at the Fairview Baptist Church on Norris Freeway with the Rev. J. S. Burgess and the Rev. John Adcock officiating. Interment was in the church cemetery.

Among the Y-12 employees attending the rites were D. V. Zehner, George Howard, J. W. Raines, M. J. Akers, F. M. Henry, R. R. Patterson, E. E. Fox, C. L. Sanders, R. J. Johnson, D. W. Croft, W. D. Laughlin, C. M. Waddell, H. B. Smith and A. G. Delaney.

Deepest sympathy was expressed to survivors by personnel throughout the plant. Survivors are his widow, Mrs. Nellie Collier; four children, Jerry Clayton, 12; Carolyn, 11; Elizabeth Louise, 9; and Horton, 3; a brother, Albert, of Knoxville; and two sisters, Mrs. Ruby C. Ezell, Powell; and Mrs. Clara C. Johnson, Heiskell.

Toronto Paper Declares Britain Plan Aids Reds

The Toronto Star has stated editorially that efforts of Britain to obtain a promise from the United States not to use the atomic bomb without consultation with its friends and the implication that the United States will not use the bomb unless Russia uses it first, is something that Moscow has been trying to achieve by worldwide propaganda for more than a year.

Maintenance Department, spent last week vacationing around home in Oak Ridge. . . . The department extends get-well wishes to Jim Miller. . . . The department also welcomes John Wallace back after a recent illness.

This interesting feature story on Charles Blake, Y-12er and amateur thespian, was written for The Bulletin by Martha Ross, publicist for the Oak Ridge Community Playhouse and wife of Don Ross, of Health Physics and Hygiene. Says Mrs. Ross: "The only Y-12er participating this time (in the next Playhouse show) disallowing Evan 'The Hole Truth And Why Don't He Crawl Down It' Means is old Charlie Blake, a good old fellow—who has the singular distinction of never having appeared in Oak Ridge in a sober role."

Take it away, Mrs. Ross:

Charlie Blake is having a difficult time convincing his friends he's a sober man. On the job with the Y-12 Materials Chemistry Group he never gives the appearance of an inebriate. But patrons of the Oak Ridge Community Playhouse know better. In fact, they've never seen Charlie sober. Moreover, they've never seen his wife sober, either.

This tragic tale of alcoholic undoing began last September when Blake was awarded the role of Ed Devery in the opening production of the current Playhouse season, "Born Yesterday." Devery was a good lawyer gone to pot . . . and to the bottle.

Mrs. Blake Gets Into Act

The little joke was compounded when Mrs. Blake was given a part in the second Playhouse production, "The Silver Whistle." She portrayed Miss Hoadley, an amiable and hard-of-hearing old toper confined to a home for the aged. "Those drinking Blakes—" folks said in jest. And the combination of Miss ("hic") Hoadley and Ed ("hic") Devery inspired their friends to wonder who would be in condition to drive their car home nights.

No one knows whether Charlie tried out for the part of Doug Proctor in the current production of "Guest in the House" because it was a choice role or because he could once more indulge in his favorite theatrical sport, hitting the bottle. Because that's just what he does when their psychopathic visitor turns his healthy child into a neurotic, upsets his work as an illustrator, and alienates his wife. Despite all the admonitions from his onstage family and friends, he continues to drink, drink, drink. This will come as no surprise to the people who were accustomed to seeing him lurching to the bar in "Born Yesterday." In fact, Charlie is beginning to wonder if he would be recognized at all if he appeared without a decanter in one hand and a shot glass in the other.

No Signs Of Sobriety

No one can be sure how many roles Charlie can play without taking some sort of cure, but in this part at least he shows no signs of advancing sobriety. Let's face it: onstage, Charlie Blake is just a sot.

If Oak Ridgers want to see him sober, they can catch him before rehearsals at his home at 307 Florida Ave., where he and his wife share an apartment with three enormous, but tee-totaling, cats.

If they still like to see Charlie all lit up behind the footlights, they should mark the dates February 22, 23, and 24, when "Guest in the House" is slated for presentation at the High School auditorium. That is this week end.

TO TEACH STUDENTS

Plans are under way in Washington, D. C., to teach students in public and parochial schools what to do in case of an atomic attack, according to Washington newspaper stories. City commissioners and school officials are working on a program now.



Miss Bobbye Jean Kincaid

KINCAID—JESSEE

Of interest to many Y-12 friends of Miss Bobbye Jean Kincaid, of the Plant Records Department, is the announcement of her engagement to be married to Donald E. Jessee, now a student in the East Tennessee State College.

The marriage ceremony will be conducted at 3:30 o'clock Saturday afternoon, March 3, at the Baptist Church in Etowah, Tenn.

The bride-elect is the daughter of Mr. and Mrs. G. W. Kincaid, of Athens, Tenn. The groom is the son of Mr. and Mrs. Carl Jessee, of Kingsport, Tenn.

Y-12ers Will Speak To Health Council

Y-12 Area Superintendent W. D. Lavers, Y-12 Medical Director Dr. C. R. Sullivan and W. H. Bauman, Y-12 Industrial Hygiene Engineer, will speak on an orientation program in industrial health practices for the Council on Industrial Health of the American Medical Association to be held Saturday, February 24, at the Oak Ridge National Laboratory. The program is being presented by Carbide and Carbon Chemicals Division, Union Carbide and Carbon Corporation.

A total of 32 persons are scheduled to attend the session, including industrial health authorities from throughout the country and Carbide personnel, who will explain the work being done in that field in the Oak Ridge units.

Clark E. Center, Carbide General Superintendent, will welcome the visitors to Oak Ridge at 9 a. m. Saturday and the remainder of the morning session will be devoted to talks. Following luncheon at 11:45 a. m. in the ORNL Cafeteria the visitors will tour the dispensary building of the Laboratory and its pile and radioisotope area, then make a bus tour of the Y-12 and K-25 plants.

Wives Of Y-12ers Invited To Carbide Wives Card Party

All wives of Y-12 employees are invited to attend the monthly card party of the Carbide Wives, set for 7:30 o'clock tonight, Wednesday, February 21, in the East Lounge of the Ridge Recreation Hall. Bridge, rummy, and canasta will be played.

Hostesses for the party will be Mesdames L. G. Overholser and George Strasser, both wives of Y-12 employees; M. S. Ginsbury, E. J. Johnson, Robert Widing, D. L. Knowles, J. S. Tuttle and John Turner. Mrs. Fred Sexton, also wife of a Y-12 employee, is president of the group.

Money is misnamed "dough." Dough sticks to your fingers.

Y-12er Will Feature ACS Radio Program Next Sunday Night

R. C. McIlhenny, of the Y-12 Analytical Laboratory, will be the featured speaker on the Headlines In Chemistry program to be presented over Oak Ridge Radio Station WATO at 9:15 o'clock Sunday night, February 25. His topic will be "Chemistry of Glass."

McIlhenny will briefly describe the history of glass and development of its manufacture, along with the various types of glass and the properties of each. In one phase of his talk he will speak on the special properties of heat-resisting glass, such as pyrex, and also the coloring substances and methods used in tinting glass. The uses of glass since its discovery and hopes for future uses also will be discussed.

McIlhenny came to Y-12 last August direct from Rice Institute, Houston, Tex.

The Headlines in Chemistry program is a weekly radio feature sponsored by the East Tennessee Section of the American Chemical Society. Co-hosts on the program next Sunday will be Joe Lee, a former Y-12er now with Fairchild Engine and Airplane Corp., and Rod Mason, of the Atomic Energy Commission.

Howard, In Japan, Receives The Bulletin

Continued from Page 1

Sergeant Howard was with the Transportation Department before leaving last year with the Oak Ridge National Guard unit. His father, George Howard, also is a Y-12er with the Buildings and Grounds Department, and a sister, Lillian Howard, is in Plant Records.

Sergeant Howard was home last December on furlough from Ft. Lewis, Wash., where the battalion was sent after leaving Oak Ridge. While home, he was married to Miss Maybelle Black, of Oliver Springs, on December 5. The guardsman's wife is dividing her time between her folks and the Howards while her husband is overseas.

Much as Sergeant Howard appreciates receiving The Bulletin, it is certain that he also would like to hear from some old friends in Y-12. So here's his overseas address:

Sgt. George L. Howard,
NC 25302637,
Co. B, 194th Eng. (C) Bn.,
A.P.O. 660, c-o Postmaster,
San Francisco,
Cal.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Harry W. Grubb and Dennis W. Davis, Chemical; George W. Oliphant, Electrical Maintenance; Frank E. Morrow, Product Chemical; Fletcher H. DeFord, John B. Gray and Charles J. Beckett, Field Maintenance.

High Fidelity Recording Topic Of Physics Seminar Meeting

"High Fidelity Recording of Music" will be the topic of discussion at the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, February 23, in the East Lounge of the Ridge Recreation Hall. J. D. Tillman, of the University of Tennessee Department of Electrical Engineering, will be the principal speaker.

TEAM PLAY OPENS PIN TOURNEY SATURDAY

SPORTS NEWS IN Y-12

Robins Lose Two Southeastern A. A. U. Tourney Tilts By Two Points But Get Praise Of Fans For Fine Play And Good Sportsmanship

Orphans And Hornets Gain As Leaders Split

The Orphans and Hornets bettered their positions in the C League of plant pinmen last week by battering the Hurricanes and Thin Pins, respectively, for three-point victories. Meanwhile the loop-leading Hooks maintained their spot by breaking even with the second-place Short Circuits, both teams losing some ground in the process. In the other match of the night the Moles burrowed upward slightly from their cellar slot by trimming the Guards for three points.

The Orphans had the most impressive team scores of the night, rolling a second-half high scratch game of 841 and a scratch series of 2,463. Their 2,919 handicap series was second best of the period. The Hurricanes had the best handicap game of the night, a 1,011 and were just 15 pins behind the Orphans with their 2,904 handicap series.

Harold Ratjen, of the Thin Pins, had the best high scratch scores of the night with a 216 game and 542 series. Pledger Goins, of the Guards, rang the bell with a 248 handicap game and Elmer Green, of the Orphans, posted a 652 handicap series for tops.

League standing follows:

Team	W	L	Team	W	L
Hooks	22	10	Hurricanes	15	17
Short Circuits	20	12	Thin Pins	15	17
Orphans	18	14	Guards	12	20
Hornets	17	15	Moles	9	23

Pick Ups, Strikers Advance In D Loop

The Pick Ups and Strikers took over the one-two positions in the D League last week after bowling activities of the loop had subsided. The Pick Ups pounded the Toppers for three points to grab the lead while the Strikers, first half of the season winners, continued their climb after a poor start in the second round, and blanked the Angstroms for four points. The Isotopes, loop leaders the previous week, tumbled to third when they were whitewashed by the Cermets and in the other loop engagement the Splinters humbled the Old Men for three.

The Strikers monopolized most of the scoring honors, both individually and as a team. Fred Kappelman blasted out a 230 scratch game and increased it to 260 with a handicap and also came through with a 650 handicap series. "Old Reliable" Frank Gragg, of course, had to get into the act with a 563 scratch series for tops. The Strikers collectively had a 853 scratch game and 2,490 scratch series. The Splinters were tops with a 1,027 handicap game and the Cermets swept 2,928 pins for the best handicap series.

League standing follows:

Team	W	L	Team	W	L
Pick Ups	18	10	Splinters	14	14
Strikers	17	11	Cermets	14	14
Isotopes	16	12	Angstroms	12	16
Old Men	14	14	Toppers	7	21

The permanent luster of stainless steel adds to the magnificence of the world's highest building—the Empire State.

More Sports News
On Page Four

Ruby M'Ginnis Makes All-Star Team Of Meet

The past week-end invasion of Nashville by the Y-12 Robins, women's varsity basketball team, really can be said to be one of those things when actual scores don't count. The Y-12 lassies lost two out of their three appearances on the floor in the Southeastern A. A. U. women's tournament, both by two points, but had the entire crowd rooting for them as a result of their fine play. So, although no trophies or titles were brought back—the girls have the satisfaction of doing a swell job of work and being good missionaries for clean sportsmanship.

The Y-12ers had one honor bestowed on them—Ruby McGinnis, fine forward, being named on the all-tournament team.

Opening last Saturday afternoon the Y-12ers lost an overtime game to the Highway Patrol Dreamettes by 36 to 34 after the regulation game had ended in a 34-34 tie. Then on Saturday night in the consolation round Y-12 beat K-25 by 32 to 23. In the consolation finals Sunday afternoon the Y-12ers had held the strong Dickerson Shoe Co. team of Columbus, Ohio, to a 32-32 tie with seven second left to go when an Ohio player got free for a snow-bird—and that was that.

Cards Top Lab To End Slate With 5-10 Mark

The Y-12 Cardinals wound up their Oak Ridge City League season last week with a pair of decisions—one somewhat of a surprise victory over the Oak Ridge National Laboratory Nats by the score of 45 to 37 and the other the easy way through a forfeit from the Clinton quintet. That gave the upsy-downsy Y-12ers a five won and 10 lost record for the season in the loop.

Central Cops Crown

The Central Service Station team easily copped the circuit championship for the season, as the tall lads were undefeated in 14 games through last Thursday and had but one to go. Second place was in doubt last week as the Nats and K-25 Kagers were tied at nine-five each. Then came Y-12, the only team to have completed its schedule. Clinton followed and on the bottom of the heap were the Vagabonds.

The Cards were harassed throughout the season by an uncertainty in the personnel angle. Midway several of the Y-12 stars enlisted in the Air Force and while they were not called to service until just a few days ago their presence at any given game was a matter of doubt until whistle time. However, not a single alibi has been offered by team members or backers. In fact, all Y-12ers can be proud of the conduct of the team and its caliber of play in every game.

Garrett Leads Y-12ers

In the triumph over ORNL it was the former Whiskered Wizard, Jack Garrett, leading scorer of the team all season, who led the Cards to victory. He banged in 23 points.

Bums, Wolves Get Fine Start In B League

The Bums and Wolves got away to a roaring start in the third and final period of bowling in the B League last week by sweeping four-point whitewash victories from the Cubs and Head Pins, respectively. The Rippers, winners of the first period of play and tied with the All Stars for second round honors, were close behind with three points, taken from the One-91 kglers. Other wins last week, all by three points, were posted by the All Stars over the Bumpers, Maintenance over the Tigers and the Comets over the Wasps.

Len Hart, of the Rippers, banged out most of the individual scoring honors of the night, but was closely pressed all the way. He had a 227 scratch game, boosted to 238 with handicap, and also a 555 scratch series. Walt Sherrod, of the Wolves, put a 620 handicap series on the score sheet for tops. Other good scores were posted by Jim White and Dave Crouse, of the Bums; C. H. Noe, Cubs; Otto Briscoe, All Stars; and Jay Holz-knecht, All Stars.

The Rippers got most of the team honors with a 903 scratch game, 1,022 handicap game and 2,477 handicap series. The All Stars posted a 2,841 handicap series to lead the pack.

Team	W	L	Team	W	L
Bums	4	0	One-91	1	3
Wolves	4	0	Wasps	1	3
Maintenance	3	1	Bumpers	1	3
All Stars	3	1	Tigers	1	3
Comets	3	1	Head Pins	0	4
Rippers	3	1	Cubs	0	4

Bowlers Of Y-12 Make Good Showing In City Tournament

Y-12 bowlers made a good showing in the Oak Ridge men's city tournament held the past two week ends at Oak Terrace.

The Wolves finished seventh in team play with 2,932. In doubles, Thurman and Galloway landed in fourth place with 1,226. They were closely followed by Briscoe and Petretsky with 1,216 in sixth place and Niemeyer and Gritton with 1,208 for seventh. Bill Burns had the best Y-12 singles score with 639 for 10th slot and Galloway finished 14th with 634. Ray Roberts was second in all events scoring with 1,738 just five pins back of the winner, W. Rowley.

Women's Varsity Bowling Team Beats Fairchild By Two Games

The Y-12 women's varsity bowling team finally regained its winning ways last Thursday night by topping Fairchild by three games to two in an Oak Ridge City League contest. It was close all the way but the Y-12ers posted 686, 723, 681—2,090; to 653, 725, 638—2,016 for the losers.

Juanita Reed plunked 430 pins to lead the Y-12ers, posting games of 149, 145 and 136. Following in order were Margaret O'Neal with 129, 146, 132—407; Mable Tyler 150, 138, 113—401; Ruth Law 133, 134, 134—390. Olyne Kappelman rolled a pair of games for 160, 166—326, and Katie Williams one for 136.

Elmo Wolf, high-scoring ORNL center, was held to 13 points, quite a feat in league competition.

Doubles And Singles Set Sunday In Event At Oak Terrace Alleys

More Teams And Individuals Entered In 1951 Event Than Last Year; Trophies, Prizes Also Up

Bowlers of Y-12 in teams, doubles and individually in singles events will take to the Oak Terrace alleys this week end to battle for handsome trophies and cash prizes in the annual plant bowling tournament. A total of 42 trophies and \$210 in cash prizes await the winners.

The 1951 event eclipses the 1950 tournament by just a slight edge in statistics. The event this year drew 21 teams as against 20 for last year's meeting, 31 doubles teams to 28 for 1950, and 54 singles entrants against 52 for last year. Only 36 trophies were awarded to winners and top bowlers in various events in the 1950 tournament and the prize money also is higher this year.

Play Opens Saturday Morning

The tournament will get under way at 10 o'clock Saturday morning, February 24, with team play, which will continue until noon. Competition will be resumed Sunday afternoon at 2 o'clock with singles and doubles events alternating until 8 p. m. The complete schedule is published in an adjoining column and all bowlers are urged to be sure of the time of all events in which they are entered and to report promptly.

The 1950 championship teams were the Termites with a 2,576 scratch score and the Hornets with a 2,942 handicap figure. In singles Roy Roberts is the defending champion, having posted a 630 scratch series last year. Tom Hendricks was the dark horse handicap singles winner last year with a 693. The doubles team of Leo Caldwell and Harold Ratjen took scratch honors last year with a 1,110 series with the handicap title going to Cecil Hubbard and Arnold Tiller with 1,300. In scratch all events scoring Roy Roberts was first with 1,759 and Conrad Roberts second with 1,687. The handicap all events honors went to Fred Kappelman with 1,950 and Leo Caldwell was second with 1,886.

Prize Distribution Described

Six members of the first and second place teams in scratch and handicap series scores will receive trophies as will members of the first two doubles teams in scratch and handicap scoring. Trophies also will be awarded top and second place scorers in scratch and handicap singles series and to the kglers with the best single game, scratch and handicap, during the tournament. The first and second place pinmen in scratch and handicap all events scores also will receive trophies.

The team with the best scratch series score of the tournament will be awarded \$22 in cash. The first team in handicap scoring will receive \$35, the second \$24 and the third \$12.50. An award of \$8 goes to the doubles team with the best scratch score and the leading handicap doubles scorers receive \$16.60, with five other prizes ranging from \$13 down to \$2.20 going to the next ranking pairs. Three cash awards go to the leading singles scratch series scorers, first place being worth \$6, second \$4.10 and third \$2. Awards go to the first nine places in handicap singles series, ranging from \$8.50 first prize down to \$1.10 for ninth.

Plant Pocket Billiards Team Trims League-Leading Outfit

The Y-12 pocket billiard team almost made a clean sweep of their match with the K-25 Carbons last Sunday night, taking three bouts and losing one by one point. The Y-12 wins were Weist over Jackson 75-54, Ledford over Brooks 75-69 and Burnett over Gordon 75-49. Carter, of the Carbons, trimmed Walker, 75-74. Weist had a high run of 30.

Schedule Of Play In Bowling Tourney

TEAMS

February 24, 10 a. m.
Alleys 3-4; Moles, Old Men
Alleys 5-6; Guards, Hornets.
February 24, 6 p. m.
Alleys 3-4; Tigers, Cubs.
Alleys 5-6; All Stars, Hooks.
Alleys 7-8; Head Pins, Wolves.
Alleys 9-10; Comets, Maintenance.
February 24, 8:30 p. m.
Alleys 3-4; Wasps, Strikers.
Alleys 5-6; Short Circuits, Bums.
Alleys 7-8; Hurricanes, Isotopes.
Alleys 9-10; Rippers, Cermets.
February 25, 12 Noon
Alleys 7-8; Orphans.

DOUBLES

February 25, 2 p. m.
Alleys 1-2; Noe and C. Greene; Smith and J. Thomas.
Alleys 3-4; Mason and L. C. Martin; Petretsky and Briscoe.
Alleys 5-6; Kappelman and Burns; Ratjen and Whitaker.
Alleys 7-8; C. Roberts and Gragg; Sise and R. Martin.
Alleys 9-10; Cobble and Sherrod; Dunlap and Riddle.
Alleys 11-12; Tiller and Hubbard; Moody and Baer.

SINGLES

February 25, 3 p. m.
Alleys 1-2; Kappelman, Burns, Ratjen, Whitaker.
Alleys 3-4; C. Roberts, Gragg, Sise, R. Martin.
Alleys 5-6; Cobble, Sherrod, Dunlap, Riddle.
Alleys 7-8; Tiller, Hubbard, Moody, Baer.
Alleys 9-10; Noe, C. Greene, Smith, J. Thomas.
Alleys 11-12; Knox, L. C. Martin, Petretsky, Briscoe.

DOUBLES

February 24, 4 p. m.
Alleys 1-2; Scott and B. Thomas; Goins and Wallace.
Alleys 3-4; Freels and Gillihan; Frazier and Kennedy.
Alleys 5-6; Reinhardt and Galloway; Kendig and E. Green.
Alleys 7-8; Prater and Caldwell; White and Ward.
Alleys 9-10; Schmitt and Crouse; Hart and Ludwig.
Alleys 11-12; Holz-knecht and Tibbatts; Groppe and Koons.

SINGLES

February 26, 5 p. m.
Alleys 1-2; Frazier, Kennedy, Reinhardt, Galloway.
Alleys 3-4; E. Green, Caldwell, White, Ward.
Alleys 5-6; Schmitt, Crouse, Hart, Freels.
Alleys 7-8; Holz-knecht, Tibbatts, Groppe, Koons.
Alleys 9-10; Scott, Thomas, Hale, Schaefer.

DOUBLES

February 25, 7 p. m.
Alleys 3-4; Webster and Brown; Allstun and Gordon.
Alleys 5-6; Niemeyer and Gritton; Crawford and Helton.
Alleys 7-8; R. Roberts and Pletz; Ford and Townsend.
Alleys 9-10; Schaefer and Knox.

SINGLES

February 25, 8 p. m.
Alleys 3-4; Ford, Townsend, Webber, Brown.
Alleys 5-6; Allstun, Gordon, Niemeyer, Gritton.
Alleys 7-8; R. Roberts, Pletz.

Roberts Best For Y-12 Team Aa Barber Buick Gains Win

The Barber Buick bowling boys of the Oak Ridge City League stepped hard on their dynaflo drive Monday night, February 12, to hand the fading Y-12 varsity kglers a three-point trimming, taking three game and total score. The Y-12 line score was 883, 811, 813—2,507 against 872, 866, 926—2,664 for the victors.

Conrad Roberts had the best Y-12 scores with 213, 146, 191—550; and was followed by Frank Gragg, 159, 181, 190—530; Ernie Cobble 165, 156, 164—485; Nelson Tibbatts 179, 186, 106—474; and Walt Sherrod 167, 139, 162—468.

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Dr. Livingston Cited By ORINS In News Letter

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the accelerator project at Brookhaven National Laboratory.

Changed From Engineering

While studying under Dr. Tileston, Robert Livingston changed his chosen field from engineering to physics. He remained at Pomona, after receiving his degree there in 1935, as a graduate assistant in physics. Before going to Pomona he spent two years on a scholarship at San Bernardino Junior College.

Robert Livingston later enrolled at the University of California for graduate work and served as an assistant instructor in the department of physics from 1936-39. He was then awarded a research fellowship in the Radiation Laboratory there and remained in this capacity until 1943. During this time he received his master's and doctorate degrees from California. Both degrees were awarded in 1941. His doctoral thesis was on "Products of Radioactive Disintegration."

Worked Under Dr. Lawrence

In the Radiation Laboratory Dr. Livingston worked under Dr. Ernest Lawrence, the inventor of the cyclotron and the man largely responsible for the development of the process which later went into the Y-12 Electromagnetic Plant in Oak Ridge. This was the first plant to separate uranium isotopes on a large scale. Another familiar Oak Ridge scientist, Dr. Paul C. Aebersold, chief of the Isotopes Division of the Atomic Energy Commission, was in the Laboratory at the same time as head of the 60-inch cyclotron which was being used for research studies on neutron irradiation effects on animals and humans.

The Tennessee Eastman Corporation, operator of the Y-12 plant, contacted Dr. Livingston in March, 1943, for employment. He accepted and became the 24th employee of Eastman for the Oak Ridge project. In this capacity he remained at Berkeley for two months of research and then traveled to Boston to act as a consultant to the construction firm of Stone and Webster concerning the Oak Ridge plant. He finally arrived in Oak Ridge in July to become one of the town's first citizens.

Designed Y-12 Cyclotron

His work here involved basic and applied problems arising from mass spectrographs. In 1945 he was named superintendent of research at Y-12. Now, as director of the Electromagnetic Research Division of Oak Ridge National Laboratory in the Y-12 area, his work includes special research separations of heavy isotopes and the study of effects of nuclear radiations on materials. The latter research is done with the aid of the 86-inch cyclotron under his supervision. The cyclotron, which accelerates protons to 20,000,000 electron volts energy, was designed under Dr. Livingston's direction.

The work in Dr. Livingston's division is under the direction of Dr. E. D. Shipley, assistant director of research at ORNL and a former professor of electrical engineering at the University of Tennessee.

Dr. Livingston serves as a member of the committee on admissions of the Oak Ridge Institute of Nuclear Studies and supervised the work of two Oak Ridge research participants. They were Dr. L. T. Ratner, assistant professor of mathematics at Vanderbilt University and Merle R. Donaldson, instructor in Electrical Engineering at the Georgia Institute of Technology, who were among the 75 university faculty members recently in Oak Ridge for research work.

Dr. Livingston is a member of the American Physical Society, the Society of Sigma Xi, and Phi Beta Kappa. He is a member of

POLYGRAPH OFFICE NOW AT NORTH PORTAL

It seems that some Y-12ers are unaware that the Polygraph Office, formerly located in Bldg. 9704-2, now is situated at the North Portal in the room once occupied by the Safety Department. The telephone number of the Polygraph Office now is 7920.

Cooperation Urged To Speed Badge Check

Continued from Page 1
or passes to the bus driver without delay.

Tests To Solve Problems

The tests are planned to enable officials here to discover and solve in advance any problems which may be involved in the positive badge check procedure, he explained.

"We need to know, for instance, how long it takes to check badges of persons in a car and how many patrolmen we will need to do this job without slowing traffic excessively," Menke said. "The tests will give us the answer."

Windshield stickers of vehicles leaving the controlled area on test days will be honored. These vehicles will not be stopped.

Traffic Should Follow Signs

Inbound traffic is to follow special directions on signs erected outside the perimeter entrances. Drivers will be directed into proper lanes at the Turnpike, Midway and Kerr Hollow Entrances.

The lane designated as No. 1 will be for cars carrying any unbadged personnel.

Individuals can help, Menke emphasized, by maintaining traffic speed until reaching the gate, by having badges ready in advance, and by pulling into the proper lane if the automobile contains any passenger without a badge.

ARGENTINE APPLIES GAG

A news dispatch in the Washington Post declares the Argentine technical affairs ministry has decreed that any newspaper or magazine articles, public lectures or radio talks on atomic research in that country must first be approved by the Atomic Energy Commission of Argentina.

the Gray Lady Corps, which served 2,897 hours during 1950 at the Oak Ridge Hospital, giving friendly advice and assistance to the patients. Another feature of the chapter's welfare program is the production corps, which spent 777 hours during 1950 sewing garments for hospitalized veterans and also sent gifts every month to the Mountain Home Veterans Hospital.

The Junior Red Cross operates a continuous program of sending gift boxes overseas. It also supplied the children's ward of the Oak Ridge Hospital with books.

The chapter has accepted a quota of 700 persons to train for home nursing service in Oak Ridge during the coming year. This is done under the home nursing service. The nutrition program has been placed on an educational basis by the National Red Cross and the local chapter has distributed to teachers and Girl Scout leaders a variety of pamphlets, posters and other educational aids on the subject.

1951 Red Cross Drive Opens March 1 In Y-12

Continued from Page 1

the records straight, everyone is asked to return cards to supervision, regardless of whether a contribution is made.

A number of Y-12ers have been active in Red Cross work in Oak Ridge as a part of their community activities. For instance, George W. Flack, Assistant Industrial Relations Superintendent, is chairman of the Oak Ridge Chapter. Jesse M. Herndon, Process Division Superintendent, is head of the volunteer services for the chapter, and numerous other Y-12ers have given their time and services to chapter work.

Here is a breakdown of the requirements described by the Oak Ridge Chapter as minimum to carry out its program:

Home service	\$ 9,800
Disaster preparedness and relief	100
Nursing services	250
Nutrition service	5
First aid, water safety, accident prevention	400
Blood donor service	1,800
Junior Red Cross	50
Volunteer services	400
Public information and fund campaign	350
General chapter administration	5,700

Total local expenditures \$18,855
To national organization 3,876

Grand total \$22,731

Of the services offered by the chapter, the one considered the most important and expensive is home service. It includes service to the armed forces and veterans and their families. This embraces handling communications, reporting information, referral for medical attention, counseling, handling claims and giving financial assistance. Aid to members of the armed forces and veterans increased greatly during the past year and is expected to increase.

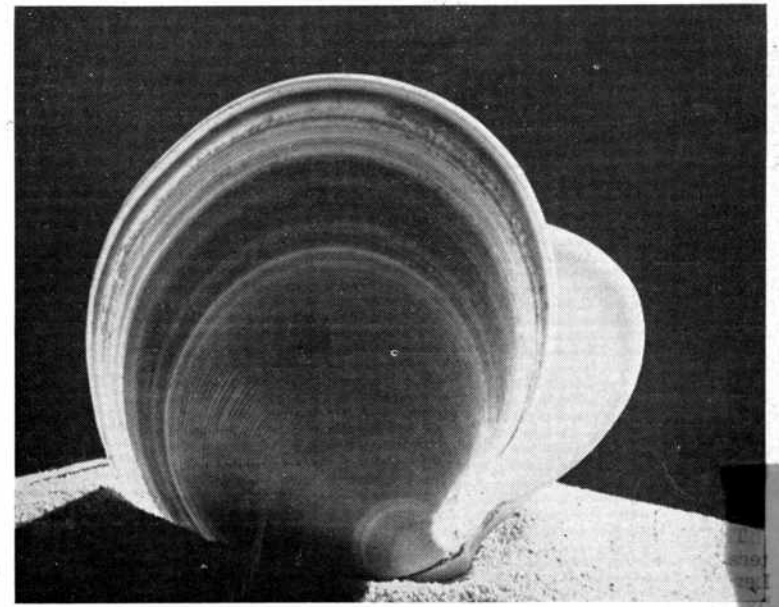
Two Workers Employed

During the past year this service cost \$10,852.54. Of this amount, \$4,381.66 was disbursed to individuals in the form of financial assistance for basic maintenance or to meet emergencies. There are two paid workers who put in full time for this service.

In the blood donor service during 1950 a total of 1,181 pints of blood were given by the chapter and a number of new donors were added to the chapter register. The blood collected by the chapter is available to any person working in Oak Ridge or to any member of his family. The only charge is for processing of the blood by the Oak Ridge Hospital and for the use of equipment in giving the blood.

A wide scale training program is presented in the first aid and accident prevention and also in the water safety program. All members of the Atomic Energy Commission patrol are to be trained and 17 classes were completed in 1950 with 144 certificates issued. In the water safety program 1,345 persons were registered for swimming instruction, 45 classes being taught and 597 persons completed the course. Junior and senior life saving courses also were successfully conducted.

The volunteer services includes



THIS EXCELLENT STILL LIFE PHOTOGRAPH, ENTITLED "Seashell" and made by Frank Gordon, of Y-12, won second prize in the February contest of the Carbide Camera Club. Gordon used a Busch Pressman 2 1/4 by 3 1/4 camera using Portrait Ortho film. Ansco 17 developer was used on the film and the picture was printed on Opal G paper with Selectol developer used. Rear lighting was used and the shell placed on sand for the exposure.

Gordon's Photograph Awarded Second Prize As Camera Club Contest Entries Praised

Some excellent photographs were displayed at the monthly meeting of the Carbide Camera Club Tuesday night, February 13, when the entries were highly praised by Mrs. Mary Charlton, associate professor of the related arts and crafts section of the College of Home Economics, University of Tennessee, who judged the contest in still life and table top photography.

The meeting was held in the Camera Club headquarters, Y-12 East Portal building.

Second prize in the contest was awarded a photograph of an opened sea shell, submitted by Frank Gordon, of Y-12, vice president of the club. S. A. Hluchan, of Oak Ridge National Laboratory, took first prize. Joseph Lundholm, also of ORNL, was awarded third prize.

Mrs. Charlton explained photographic composition and color harmony, illustrating her talk with color slides.

The winning prints will be displayed soon in the Loveman's store photographic shop.

The next meeting of the Camera Club, composed of amateur photographic enthusiasts from the three Carbide units in Oak Ridge, will be held Tuesday night, March 13. The meeting will be featured by a black and white photographic contest on "trick photography."

K-25 Riflemen Take Close Match From Y-12 Shooters

Y-12 riflemen did some good shooting Monday night, February 12, but not quite good enough to beat the K-25 marksmen, who nosed out our side by a 1,456 to 1,444 handicap score.

High scoring Y-12 shooters were W. R. Rathcamp 291.5, H. C. Hoy 289.6, T. O. Niemeyer 288.5, W. K. Prater 287.7, and T. B. Wilson 286.8. Rathcamp's 284 scratch score out of a possible 300 was high for the match on the three-position course.

The Y-12 team is scheduled to meet the Independents Friday night at 7 o'clock at the Oak Ridge Sportsman's Association range. The matches are just getting underway and any Y-12er interested in shooting still can qualify for the team. Information may be obtained from W. A. Bell, telephone 7533.

the Southeastern Section of the American Physical Society and active in the Division of Electron Physics of this association.

The young Oak Ridge scientist was born in Summerland, Calif., a suburb of Santa Barbara, in 1914. His mother is deceased and his father resides in Pismo Beach. Dr. Livingston is married to the former Joan Lombard of Oakland, Calif. They have two boys, Larry, five; and Bobby, three. The Livingstons live at 105 Ontario Lane.

Absenteeism Drops To 2.8 Per Cent

The Chemical Department took over first place in the Major League attendance standings for the week ending February 11 while three departments were tied for first place in the Minor League with all employees reported present for the period. The plant-wide absentee record for the week was 2.8 per cent, a drop of .8 per cent from the preceding week.

Chemical reported an absentee mark of 1.5 per cent to take over first place from the Guard Department, which had 1.9 per cent of its personnel absent to take second place. The Product Chemical Department was in third place for the second consecutive week and reported 2.1 per cent of absenteeism for the latest reporting period.

The Superintendents and Plant Records Departments repeated their perfect attendance marks set for the week ending February 4 in the week ending February 11. They were joined in a three-way tie for first place by the Research Services Department, in second place the preceding week. Second place in the Minor League was taken by the Cafeteria with an absentee record of .5 per cent. Property Sales wound up in third place with .9 per cent of its personnel absent. These departments were in fifth and 10th places for the week ending February 4.

Standings Crowded In Women's League; Leaders Defeated

The traffic congestion in the W League continued last week with both of the leading teams being spanked by lower rated outfits and the won and lost combination resulting in the Kemps and Cracker Jax still being tied for first place and the Woes, Controllers and Hi Balls being deadlocked for the next spot on the ladder. The Mix Ups had undisputed possession of the cellar position.

The Woes took care of the Kemps and the Controllers crunched the Cracker Jax, while the Hi Balls mixed up the Mix Ups.